

OCT 08 2008

09899059-0A1-1647

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	09/899059
Filing Date	07/06/2001
First Named Inventor	Craig A. Rosen
Art Unit	1647
Examiner Name	Guo-Liang Yu
Attorney Docket Number	075977-0122

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-4,002,531-	01-11-1977	ROYER	
	A2	US-4,179,337-	12-18-1979	DAVIS ET AL.	
	A3	US-4,433,092-	02-21-1984	NEMETH	
	A4	US-4,444,887-	04-24-1984	HOFFMANN	
	A5	US-4,474,893-	10-02-1984	READING	
	A6	US-4,631,211-	12-23-1986	HOUGHTEN	
	A7	US-4,676,980-	06-30-1987	SEGAL ET AL.	
	A8	US-4,708,781-	11-24-1987	VANDER	
	A9	US-4,714,681-	12-22-1987	READING	
	A10	US-4,716,111-	12-29-1987	OSBAND ET AL.	
	A11	US-4,741,900-	05-03-1988	ALVAREZ ET AL.	
	A12	US-4,816,397-	03-28-1989	BOSS ET AL.	
	A13	US-4,816,567-	03-28-1989	CABILLY ET AL.	
	A14	US-4,873,191-	10-10-1989	WAGNER ET AL.	
	A15	US-4,925,648-	05-15-1990	HANSEN ET AL.	
	A16	US-4,946,778-	08-07-1990	LADNER ET AL.	
	A17	US-4,980,286-	12-25-1990	MORGAN ET AL.	
	A18	US-4,994,560-	02-19-1991	KRUPER ET AL.	
	A19	US-5,112,946-	05-12-1992	MAIONE	
	A20	US-5,122,464-	06-16-1992	WILSON ET AL.	
	A21	US-5,194,392-	03-16-1993	GEYSEN	
	A22	US-5,223,409-	06-29-1993	LADNER ET AL.	
	A23	US-5,225,539-	07-06-1993	WINTER	
	A24	US-5,258,498-	11-02-1993	HUSTON ET AL.	
	A25	US-5,274,119-	12-28-1993	FRAZIER ET AL.	
	A26	US-5,314,995-	05-24-1994	FELL ET AL.	
	A27	US-5,336,603-	08-09-1994	CAPON ET AL.	
	A28	US-5,342,604-	08-30-1994	WILSON ET AL.	
	A29	US-5,349,052-	09-20-1994	DELGADO ET AL.	
	A30	US-5,349,053-	09-20-1994	LANDOLFI	
	A31	US-5,359,046-	10-25-1994	CAPON ET AL.	
	A32	US-5,399,349-	03-21-1995	PAUNESCU ET AL.	
	A33	US-5,403,484-	04-04-1995	LADNER ET AL.	
	A34	US-5,413,923-	05-09-1995	KUCHERLAPATI ET AL.	
	A35	US-5,427,908-	06-27-1995	DOWER ET AL.	
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	A37	US-5,435,990-	07-25-1995	CHENG ET AL.	
	A38	US-5,436,146-	07-25-1995	SHENK ET AL.	
	A39	US-5,441,050-	08-15-1995	THURSTON ET AL.	
	A40	US-5,447,851-	09-05-1995	BEUTLER ET AL.	

 Examiner
Signature

 Date
Considered

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DR/

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/899059
				Filing Date	07/06/2001
				First Named Inventor	Craig A. Rosen
				Art Unit	1647
				Examiner Name	Guo-Liang Yu
(use as many sheets as necessary)				Attorney Docket Number	075977-0122
Sheet	2	of	30		

U.S. PATENT DOCUMENTS					
		Document Number			
	A41	US-5,460,959-	10-24-1995	MULLIGAN ET AL.	
	A42	US-5,463,575-	10-31-1995	WHITE	
	A43	US-5,474,981-	12-12-1995	LEDER ET AL.	
	A44	US-5,478,925-	12-26-1995	WALLACH ET AL.	
	A45	US-5,480,971-	01-02-1996	HOUGHTEN ET AL.	
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	A48	US-5,516,637-	05-14-1996	HUANG ET AL.	
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	A50	US-5,545,806-	08-13-1996	LONBERG ET AL.	
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	A54	US-5,573,920-	11-12-1996	RANDLE	
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	A56	US-5,580,859-	12-03-1996	FELGNER ET AL.	
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	A58	US-5,601,819-	02-11-1997	WONG ET AL.	
	A59	US-5,605,793-	02-25-1997	STEMMER	
	A60	US-5,612,460-	03-18-1997	ZALIPSKY	
	A61	US-5,622,929-	04-22-1997	WILLNER ET AL.	
	A62	US-5,625,126-	04-29-1997	LONBERG ET AL.	
	A63	US-5,633,425-	05-27-1997	LONBERG ET AL.	
	A64	US-5,641,670-	06-24-1997	TRECO ET AL.	
	A65	US-5,643,575-	07-01-1997	MARTINEZ ET AL.	
	A66	US-5,652,361-	07-29-1997	SIMON ET AL.	
	A67	US-5,658,727-	08-19-1997	BARBAS ET AL.	
	A68	US-5,661,016-	08-26-1997	LONBERG ET AL.	
	A69	US-5,693,622-	12-02-1997	WOLFF ET AL.	
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	A74	US-5,733,743-	03-31-1998	JOHNSON ET AL.	
	A75	US-5,750,753-	05-12-1998	KIMAE ET AL.	
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	A79	US-5,807,715-	09-15-1998	MORRISON ET AL.	
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	A81	US-5,811,097-	09-22-1998	ALLISON ET AL.	
	A82	US-5,811,238-	09-22-1998	STEMMER ET AL.	

Examiner Signature		Date Considered	
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First Named Inventor	Craig A. Rosen
Art Unit	1647
Examiner Name	Guo-Liang Yu
Attorney Docket Number	075977-0122

Sheet	3	of	30
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		Document Number			
	A83	US-5,814,318-	09-29-1998	LONBERG ET AL.	
	A84	US-5,821,047-	10-13-1998	GARRARD ET AL.	
	A85	US-5,830,721-	11-03-1998	STEMMER ET AL.	
	A86	US-5,834,252-	11-10-1998	STEMMER ET AL.	
	A87	US-5,837,458-	11-17-1998	MINSHULL ET AL.	
	A88	US-5,876,969-	03-02-1999	FLEER ET AL.	
	A89	US-5,885,793-	03-23-1999	GRIFFITHS ET AL.	
	A90	US-5,916,771-	06-29-1999	HORI ET AL.	
	A91	US-5,939,598-	08-17-1999	KUCHERLAPATI ET AL.	
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	A93	US-5,985,660-	11-16-1999	GALY	
	A94	US-6,075,181-	06-13-2000	KUCHERLAPATI ET AL.	
	A95	US-6,114,598-	09-05-2000	KUCHERLAPATI ET AL.	

Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number-Kind Code ² (if known)			

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		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
	A96	WO-00/52028-A1	09-08-2000	HUMAN GENOME SCIENCES, INC .		
	A97	WO-00/64465-A1	11-02-2000	HUMAN GENOME SCIENCES ET AL.		
	A98	EP-0 171 496-B1	05-23-1993	RESEARCH DEVELOPMENT CORPORATION OF JAPAN		
	A99	EP-0 173 494-A2	03-05-1986	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY		
	A100	DE-196 39 601-A1	09-04-1997	BAYER AG		
	A101	EP-0 239 400-B1	09-30-1987	MEDICAL RESEARCH COUNCIL		

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Sheet 4 of 30			Filing Date	07/06/2001
			First Named Inventor	Craig A. Rosen
			Art Unit	1647
			Examiner Name	Guo-Liang Yu
			Attorney Docket Number	075977-0122

FOREIGN PATENT DOCUMENTS						
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	A102	EP-0 282 317-A2	09-14-1988	AMGEN INC.		
	A103	EP-0 307 434-B2	03-22-1989	SCOTGEN BIOPHARMACEUTICALS, INC.		
	A104	EP-0 322 094-B1	02-12-1992	DELTA BIOTECHNOLOGY LIMITED		
	A105	EP-0 367 166-A1	05-09-1990	TAKEDA CHEMICAL INDUSTRIES, LTD.		
	A106	EP-0 394 827-A1	10-31-1990	F. HOFFMAN-LA ROCHE AG		
	A107	EP-0 396 387-B1	11-07-1990	RESEARCH DEVELOPMENT FOUNDATION		
	A108	EP-0 399 816-B1	12-20-1995	MERCK & CO., INC.		
	A109	EP-0 401 384-A1	12-12-1990	KIRIN-AMGEN, INC.		
	A110	EP-0 413 622-B1	02-20-1991	RHONE-POULENC RORER S.A.		
	A111	EP-0 439 095-A2	07-31-1991	BRISTOL-MYERS SQUIBB CO.		
	A112	EP-0 506 477-B1	09-30-1992	MERCK & CO., INC.		
	A113	EP-0 519 596-A1	12-23-1992	MERCK & CO., INC.		
	A114	EP-0 592 106-B1	04-13-1994	IMMUNOGEN INC.		
	A115	EP-0 682 110-A1	11-15-1995	CHIRON CORP.		
	A116	WO-86/01533-A1	03-13-1986	CELLTECH LIMITED		
	A117	WO-86/05807-A1	10-09-1986	CELLTECH LIMITED		
	A118	WO-87/01130-A1	02-26-1987	STAUFFER CHEMICAL CO.		
	A119	WO-87/02671-A1	05-07-1987	INTERNATIONAL GENETIC ENGINEERING, INC.		
	A120	WO-87/04462-A1	07-30-1987	CELLTECH LIMITED ET AL.		
	A121	WO-89/01036-A1	02-09-1989	CELLTECH LIMITED		
	A122	WO-89/02036-A1	03-09-1989	UPAT GMBH & CO.		
	A123	WO-89/10404-A1	11-02-1989	CELLTECH LIMITED		
	A124	WO-89/12624-A1	12-28-1989	CETUS CORPORATION		
	A125	WO-90/02809-A1	03-22-1990	PROTEIN ENGINEERING CORP.		
	A126	WO-90/11092-A1	10-04-1990	VICAL, INC., ET AL.		
	A127	WO-90/13649-A1	11-15-1990	GENENTECH, INC.		
	A128	WO-91/00360-A1	01-10-1991	MEDAREX, INC.		
	A130	WO-91/06570-A1	05-16-1991	THE UNIVERSITY OF MELBOURNE		

Examiner Signature	Date Considered
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	A131	WO-91/06657-A1	05-16-1991	CELLTECH LIMITED		
	A132	WO-91/09967-A1	07-11-1991	CELLTECH LIMITED		
	A133	WO-91/10737-A1	07-25-1991	MOLECULAR AFFINITIES CORP.		
	A134	WO-91/10741-A1	07-25-1991	CELL GENESYS, INC.		
	A135	WO-91/14438-A1	10-03-1991	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK		
	A136	WO-92/01047-A1	01-23-1992	CAMBRIDGE ANTIBODY TECHNOLOGY LIMITED		
	A137	WO-92/05793-A1	04-16-1992	MEDAREX, INC.		
	A138	WO-92/06180-A1	04-16-1992	UNIVRSITY OF CONNECTICUT		
	A139	WO-92/06194-A1	04-16-1992	CONSIGLIO NAZIONALE DELLE RICERCHE		
	A140	WO-92/08495-A1	05-29-1992	ABBOTT BIOTECH, INC.		
	A141	WO-92/08802-A1	05-29-1992	CETUS CORPORATION		
	A142	WO-92/18619-A1	10-29-1992	THE SCRIPPS RESEARCH INSTITUTE		
	A143	WO-92/22324-A1	12-22-1992	XOMA CORPORATION		
	A144	WO-92/22635-A1	12-23-1992	UNIVERSITY OF CONNECTICUT ET AL.		
	A145	WO-93/11236-A1	06-10-1993	MEDICAL RESEARCH COUNCIL ET AL.		
	A146	WO-93/14188-A1	07-22-1993	THE REGENTS OF THE UNIVERSITY OF MICHIGAN		
	A147	WO-93/17715-A1	09-16-1993	UNIVERSITY OF OF TEXAS SYSTEM, BOARD OF REGENTS ET AL.		
	A148	WO-93/20221-A1	10-14-1993	ALEXANDER YOUNG		
	A149	WO-93/21232-A1	10-28-1993	RESEARCH DEVELOPMENT FOUNDATION		
	A150	WO-93/25788-A1	12-23-1993	HOPPE AG		
	A151	WO-94/08598-A1	04-28-1994	ADVANCED TISSUE SCIENCES, INC.		
	A152	WO-94/12649-A1	06-09-1994	GENZYME CORPORATION		
	A153	WO-94/12650-A1	06-09-1994	TRANSKARYOTIC THERAPIES, INC.		

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(use as many sheets as necessary)			Attorney Docket Number	075977-0122
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A154	WO-95/06058-A1	03-02-1995	ROYAL FREE HOSPITAL SCHOOL OF MEDICINE		
	A155	WO-95/15982-A1	06-15-1995	GENZYME CORP.		
	A156	WO-95/20401-A1	08-03-1995	TRUSTEES OF BOSTON UNIVERSITY		
	A157	WO-96/04388-A1	02-15-1996	SMITHKLINE BEECHAM PLC, ET AL.		
	A158	WO-96/26736-A1	09-06-1996	LUDWIG INSTITUTE FOR CANCER RESEARCH ET AL.		
	A159	WO-96/29411-A1	09-26-1996	TRANSKARYOTIC THERAPIES, INC.		
	A160	WO-96/33735-A1	10-31-1996	CELL GENESYS, INC.		
	A161	WO-96/34095-A1	10-31-1996	HUMAN GENOME SCIENCES, INC.		
	A162	WO-96/34096-A1	10-31-1996	CELL GENESYS, INC.		
	A163	WO-96/39515-A1	12-12-1996	HUMAN GENOME SCIENCES, INC.		
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	A165	WO-97/33899-A1	09-18-1997	HUMAN GENOME SCIENCES, INC.		
	A166	WO-97/33904-A1	09-18-1997	HUMAN GENOME SCIENCES, INC., ET AL.		
	A167	WO-97/34911-A1	09-25-1997	HUMAN GENOME SCIENCES, INC.		
	A168	WO-98/02543-A1	01-22-1998	CHUGAI RESEARCH INSTITUTE FOR MOLECULAR MEDICINE, INC.		ABS.
	A169	WO-98/06842-A1	02-19-1998	SCHERING CORP.		
	A170	WO-98/07832-A1	02-26-1998	LUDWIG INSTITUTE FOR CANCER RESEARCH ET AL.		
	A171	WO-98/07880-A1	02-26-1998	HUMAN GENOME SCIENCES, INC.		
	A172	WO-98/11779-A1	03-26-1998	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA		
	A173	WO-98/16654-A1	04-23-1998	JAPAN TOBACCO, INC.		

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			Application Number Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number	09/899059 07/06/2001 Craig A. Rosen 1647 Guo-Liang Yu 075977-0122	
Sheet	7	of	30		

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	A174	WO-98/18921-A1	05-07-1998	HUMAN GENOME SCIENCES, INC.		
	A175	WO-98/24893-A1	06-11-1998	ABGENIX, INC.		
	A176	WO-98/30693-A2	07-16-1998	HUMAN GENOME SCIENCES, INC.		
	A177	WO-98/32466-A1	07-30-1998	POLYMASC PHARMACEUTICALS PLC		
	A178	WO-98/32856-A1	07-30-1998	HUMAN GENOME SCIENCES, INC., ET AL.		
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	A186	WO-99/23105-A1	05-14-1999	HUMAN GENOME SCIENCES, INC.		
	A187	WO98/30694	07-16-1998	HUMAN GENOME SCIENCES, INC.		

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		Filing Date	07/06/2001
		First Named Inventor	Craig A. Rosen
		Art Unit	1647
		Examiner Name	Guo-Liang Yu
(use as many sheets as necessary)		Attorney Docket Number	075977-0122
Sheet	8	of	30

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		First Named Inventor	Craig A. Rosen
		Art Unit	1647
		Examiner Name	Guo-Liang Yu
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		Attorney Docket Number	075977-0122

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	A216	B. W. ZANKE et al., "The stress-activated protein kinase pathway mediates cell death following injury induced by cis-platinum, UV irradiation or heat," Current Biology, Vol. 6, No. 5, (1996), pgs. 606-613.	
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				Application Number	09/899059	
Sheet		12	of	30	Filing Date	07/06/2001
					First Named Inventor	Craig A. Rosen
					Art Unit	1647
					Examiner Name	Guo-Liang Yu
					Attorney Docket Number	075977-0122

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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		First Named Inventor	Craig A. Rosen
		Art Unit	1647
		Examiner Name	Guo-Liang Yu
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		Application Number Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number	09/899059 07/06/2001 Craig A. Rosen 1647 Guo-Liang Yu 075977-0122
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Application Number	09/899059
Filing Date	07/06/2001
First Named Inventor	Craig A. Rosen
Art Unit	1647
Examiner Name	Guo-Liang Yu
Attorney Docket Number	075977-0122

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				Application Number	09/899059	
Sheet		18	of	30	Filing Date	07/06/2001
					First Named Inventor	Craig A. Rosen
					Art Unit	1647
					Examiner Name	Guo-Liang Yu
					Attorney Docket Number	075977-0122

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				Examiner Name	Guo-Liang Yu
				Attorney Docket Number	075977-0122
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				Art Unit	1647
				Examiner Name	Guo-Liang Yu
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	09/899059
Filing Date	07/06/2001
First Named Inventor	Craig A. Rosen
Art Unit	1647
Examiner Name	Guo-Liang Yu
Attorney Docket Number	075977-0122

(use as many sheets as necessary)

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Filing Date	07/06/2001
First Named Inventor	Craig A. Rosen
Art Unit	1647
Examiner Name	Guo-Liang Yu
Attorney Docket Number	075977-0122

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				Examiner Name	Guo-Liang Yu
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				Application Number	09/899059
				Filing Date	07/06/2001
				First Named Inventor	Craig A. Rosen
				Art Unit	1647
				Examiner Name	Guo-Liang Yu
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	A463	T. PATERSON et al., "Approaches to maximizing stable expression of alpha-1-antitrypsin in transformed CHO cells," Appl. Microbiol. Biotechnol, Vol. 40, (1994), pgs. 691-698.	
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